

## ABSTRACT OF THE DISCLOSURE

Undesirable Steiner points in tetrahedralized meshes may be minimized by tetrahedralization processes that order element subdivision based on degree of freedom data for elements in the mesh and/or treat element degree of freedom as  
5 non-static during element subdivision. Applying look-ahead, breadth-first-search subdivision, and other strategic subdivision techniques further minimizes the need for Steiner points.

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